

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kohei ODA, et al.

Appl. No. New Divisional Application of  
U.S. Application No. 09/353,445 (Allowed  
on 12/04/2001)

Confirmation No. N/A

Filed: March 5, 2002

For: METHOD FOR DECOMPOSING  
POLYESTERS CONTAINING  
AROMATIC MOIETIES, A  
DENIER REDUCTION METHOD  
OF FIBER, AND  
MICROORGANISMS HAVING  
ACTIVITY OF DECOMPOSING  
THE POLYESTER

Art Unit: Unassigned

Examiner: Unassigned

Atty. Docket No.: 32290-178953

Customer No.:



26694

10/090160  
03/05/02  
PRO  
USPTO  
10/090160  
03/05/02

**Information Disclosure Statement**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents that are listed on the attached PTO-1449 forms. All of the listed references are of record in parent Application No. 09/353,445 where copies may be obtained in accordance with customary PTO practice. Applicants request that these documents be considered and listed on the face of any patent granted in this application.

Applicant(s) Kohei ODA, et al.  
Appl. No. New Divisional Application of U.S.  
Application No. 09/353,445 (Allowed on 12/04/2001)

Respectfully submitted,



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Approved for use through 10/31/2002, OMB 0651-0031

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

of

*Complete if Known*

Application Number	Unknown
Filing Date	March 5, 2002
First Named Inventor	ODA
Group Art Unit	Unknown
Examiner Name	Unknown

JFC 858 U.S.

20/05/03  
03/05/03

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>Complete if Known</b>	
Application Number	Unknown
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First Named Inventor	ODA
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	32290-178953



### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Journal of Environmental Polymer Degradation" Vol. 5, 1997, pp. 81-89, Biosis Abstract 199799590343	
		"Biochemical Decomposing Agent For Polyester Compounds Contain Pure Crude Lipase Or Lipase-Producing – Microorganism–, Or Culture Product Containing Lipase, As Active Ingredient" Agency of Ind. Science and Technology, Derwent Abstract 1977-60144Y/34	
		Huang et al., "Biodegradeable Polymers: Photolysis and Fungal Degradation of Poly (arylene Keto Esters)", J. Appl. Polymer Sci., Vol. 25, S. 1951-1960 (1980)	
		"Report of the Fermentation Research Institute" 1992, pp. 23-32, Biosis Abstract 199294038680	
		"New –Microorganisms- Used in Decomposition of Polyester(s) –decomposes Aliphatic and Aromatic Ester(s) and Metabolises Phthalic Acid" Daiichi Kogyo Seiyaku Co, Ltd., Derwent Abstract 1996-357085/36	
		"Biochemical Decomposition of Polyesters by Contact with Lipase Or Lipase-Producible – Microorganism" Agency of Ind. Science and Technology, Derwent Abstract 1977-60145Y/25	
		DERWENT COMPUTER ABSTRACT 1996-357085 JP 08140666	
		DERWENT COMPUTER ABSTRACT 1977-60145Y JP 082009354	

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